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Complete if Known

Application Number	
Filing Date	August 5, 2003
First Named Inventor	Howard Wayne Hall
Art Unit	
Examiner Name	

Attorney Docket Number 05690-00620

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DB		US- 4,482,170	11-13-1984	Jacobson et al.	
		US- 4,589,688	05-20-1986	Johnson	
		US- 4,801,159	01-31-1989	Sehorn	
		US- 4,997,214	03-05-1991	Reese	
		US- 5,326,137	07-05-1994	Lorenz et al.	
		US- 5,367,756	11-29-1994	Huetlinek	
		US- 5,501,331	03-26-1996	Lyall et al.	
		US- 5,590,914	01-07-1997	Platner et al.	
		US- 5,934,711	08-10-1999	Gady	
		US- 5,988,692	11-23-1999	Springer	
DB		US- 6,237,963 B1	05-29-2001	Hall	
		US-			

FOREIGN PATENT DOCUMENTS

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